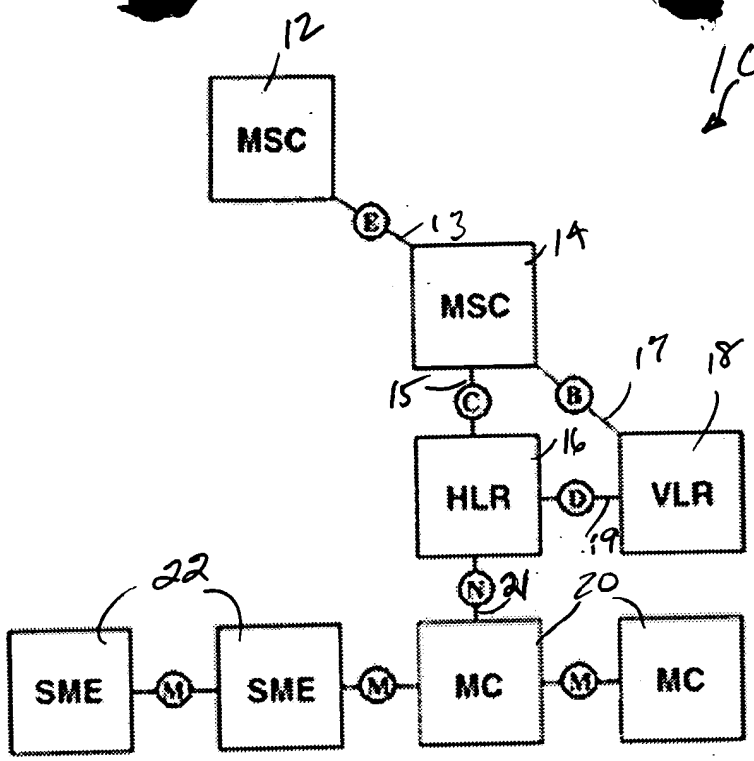
12
10
MSC
E
13
14
MSC
17
18
15
C
B
16
HLR
D
VLR
19
22
N
21
20
SME
M
SME
M
MC
M
MC

FIG. 1

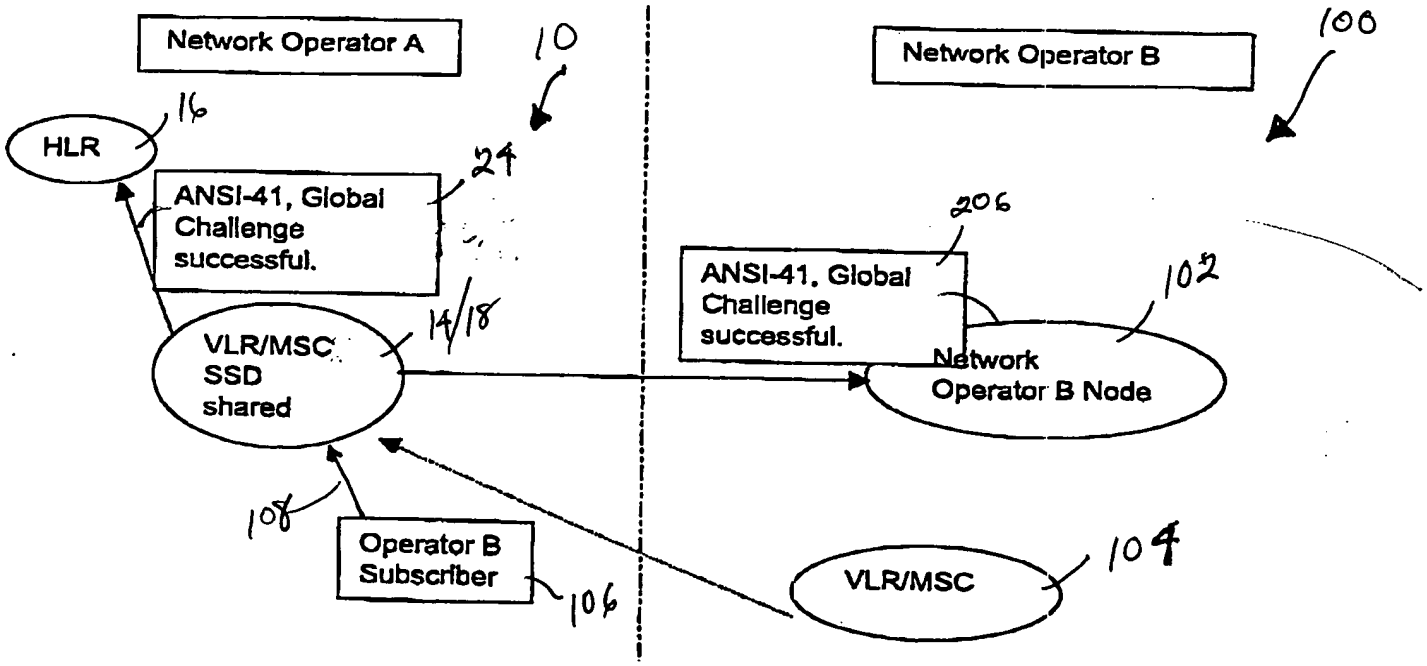
Network Operator A
10
Network Operator B
100
16
HLR
24
ANSI-41, Global Challenge successful.
206
ANSI-41, Global Challenge successful.
102
14/18
VLR/MSC SSD shared
Network Operator B Node
108
Operator B Subscriber
106
VLR/MSC
104

FIG. 2

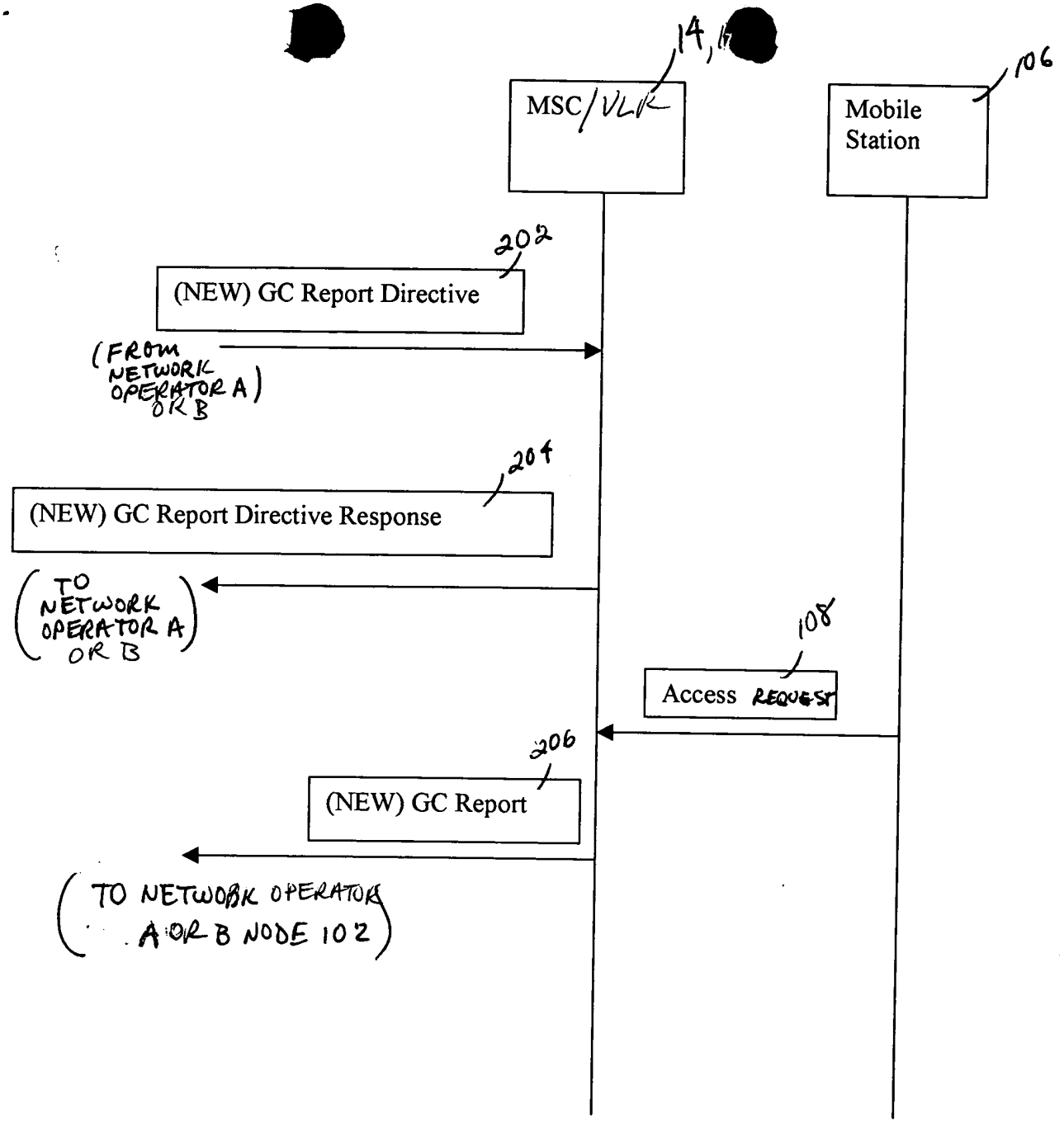
MSC/VLR
Mobile Station
106
202
(NEW) GC Report Directive
(FROM NETWORK OPERATOR A OR B)
204
(NEW) GC Report Directive Response
(TO NETWORK OPERATOR A OR B)
108
Access REQUEST
206
(NEW) GC Report
(TO NETWORK OPERATOR A OR B NODE 102)

FIG. 3

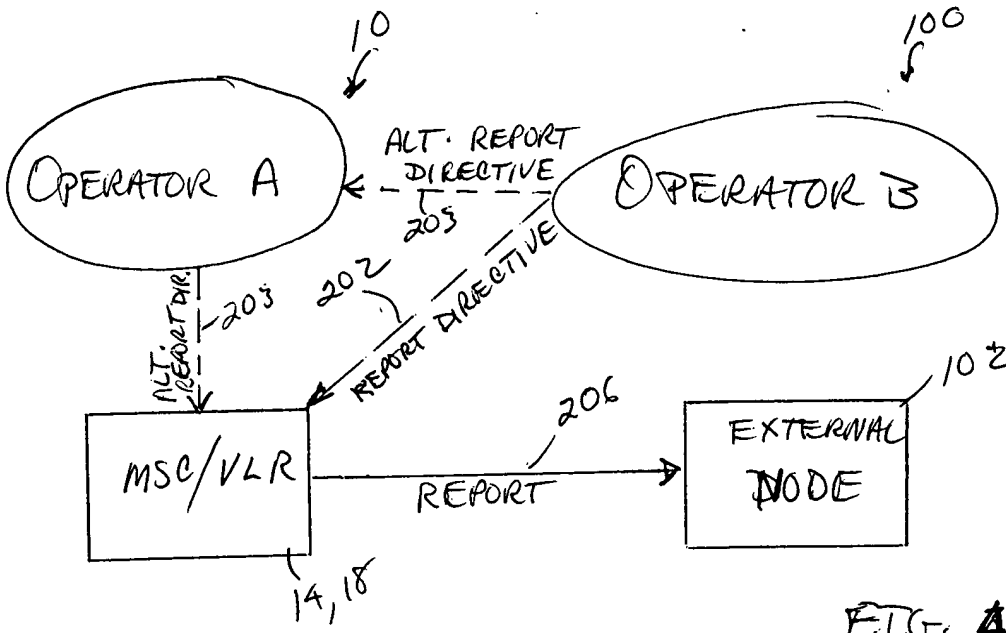
10
100
OPERATOR A
ALT. REPORT DIRECTIVE
203
OPERATOR B
ALT. REPORT DIR.
203
202
REPORT DIRECTIVE
MSC/VLR
206
REPORT
EXTERNAL NODE
102
14, 18

FIG. 4A

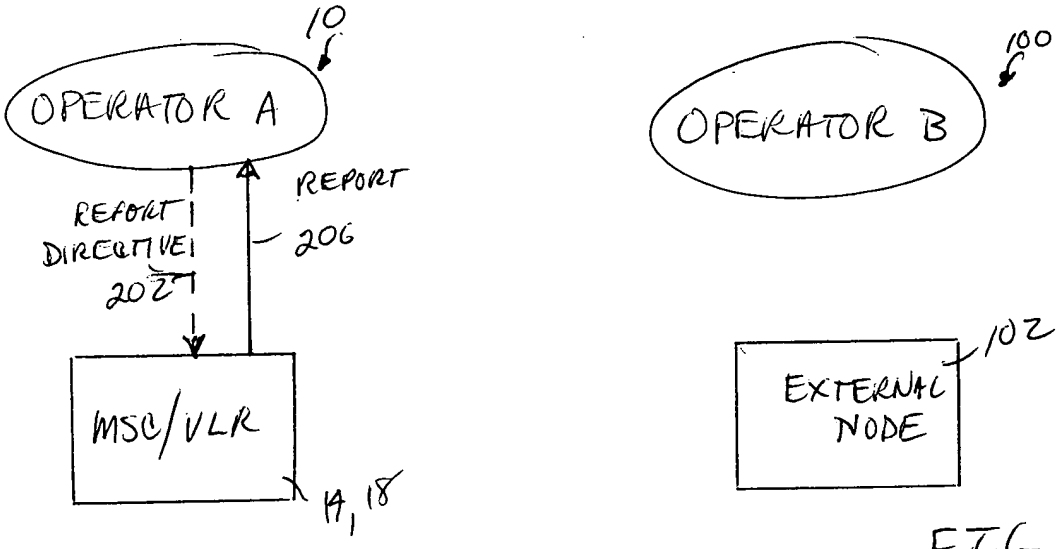
10
OPERATOR A
REPORT DIRECTIVE
202
REPORT
206
MSC/VLR
14, 18
100
OPERATOR B
102
EXTERNAL NODE

FIG. 4B

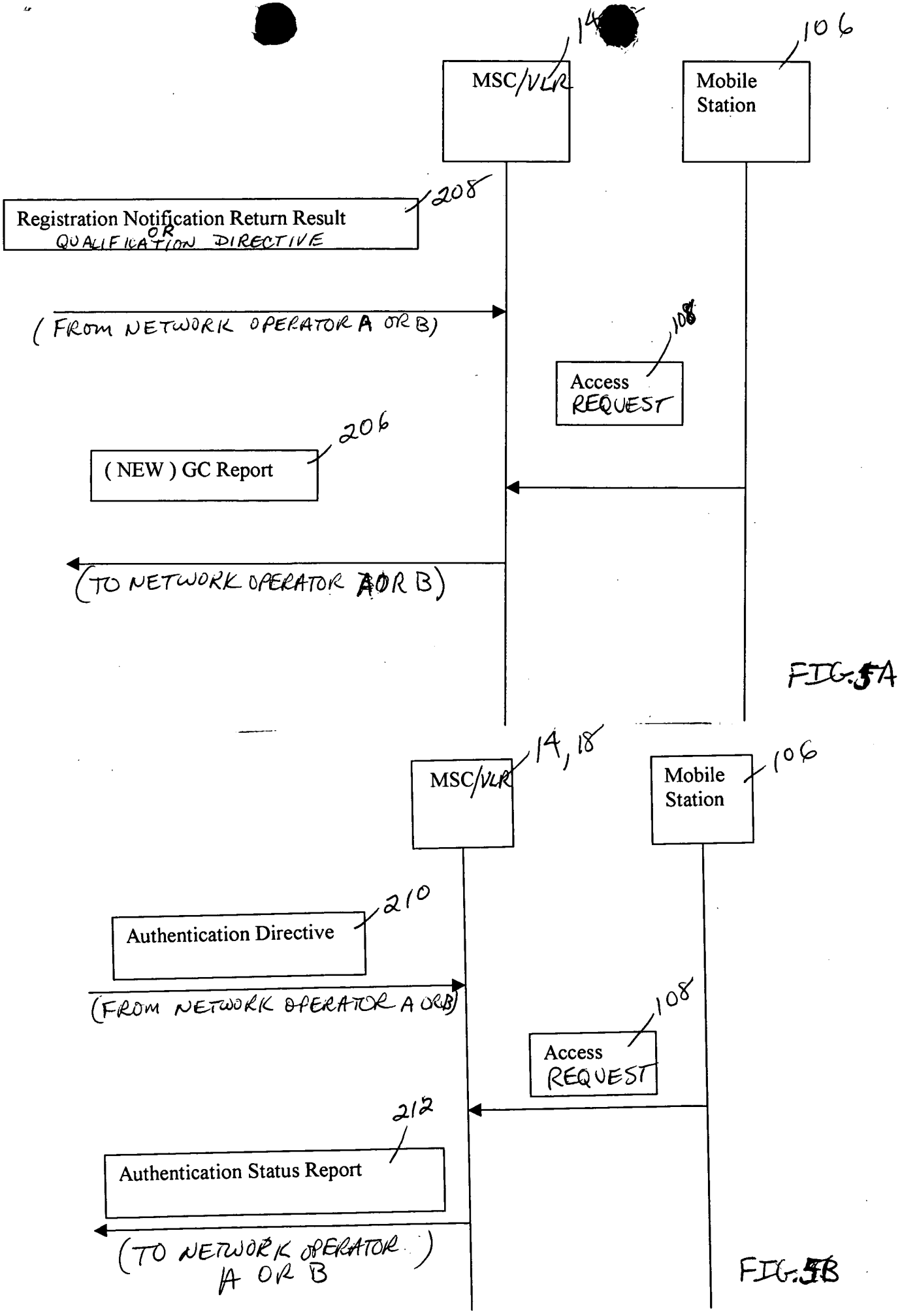
MSC/VLR
14
Mobile Station
106
Registration Notification Return Result
QUALIFICATION OR DIRECTIVE
208
(FROM NETWORK OPERATOR A OR B)
Access REQUEST
108
(NEW) GC Report
206
(TO NETWORK OPERATOR A OR B)
MSC/VLR
14, 18
Mobile Station
106
Authentication Directive
210
(FROM NETWORK OPERATOR A OR B)
Access REQUEST
108
Authentication Status Report
212
(TO NETWORK OPERATOR A OR B)

FIG. 5A

FIG. 5B